

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/573,307
Source: JFWP
Date Processed by STIC: 04/06/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/573,307

DATE: 04/06/2006

TIME: 11:05:41

Input Set : D:\ARCD398WO.APP.txt

Output Set: N:\CRF4\04062006\J573307.raw

5 <110> APPLICANT: SISODIA, SANGRAM S.
 6 YU, CHUNJIANG
 8 <120> TITLE OF INVENTION: MEMBRANE PREPARATION FROM PICHIA PASTORIS TO ASSAY
 9 γ -SECRETASE ACTIVITY
 11 <130> FILE REFERENCE: ARCD:398WO
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/573,307 *See page 7*
 C--> 13 <141> CURRENT FILING DATE: 2006-03-24
 W--> 14
 16 <150> PRIOR APPLICATION NUMBER: 10/948,629
 17 <151> PRIOR FILING DATE: 2004-09-23
 19 <150> PRIOR APPLICATION NUMBER: 60/505,601
 20 <151> PRIOR FILING DATE: 2003-09-23
 22 <160> NUMBER OF SEQ ID NOS: 16
 24 <170> SOFTWARE: PatentIn Ver. 2.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 2763
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Homo sapiens
 31 <400> SEQUENCE: 1
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 34 ctgggagcct gcaagtgaca acagccttgc cggtccttag acagcttgcg ctggaggaga 180
 35 acacatgaaa gaaagaacct caagaggctt tgtttctgt gaaacagtat ttctatacag 240
 36 ttgctccaat gacagagttt cctgcaccgt tgcctactt ccagaatgca cagatgtctg 300
 37 aggacaacca cctgagcaat actgtacgta gccagaatga caatagagaa cggcaggagc 360
 38 acaacgacag acggagcctt ggccaccctg agccattatc taatggacga ccccagggt 420
 39 actcccgca ggtgggtggag caagatgagg aagaagatga ggagctgaca ttgaaatatg 480
 40 gcgcacaagca tgtgatcatg ctctttgtcc ctgtgactct ctgcattgtt gtggcgttg 540
 41 ctaccattaa gtcagtcagc ttttatacc ggaaggatgg gcagctaatc tataccccat 600
 42 tcacagaaga taccgagact gtggggccaga gagccctgca ctcatttcg aatgctgcca 660
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 44 gctataaggt catccatgcc tgcttattat tatcatctt attgttgcgtt ttctttttt 780
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 55 gagtaaaact tggattggaa gatttcattt tctacagtgt tctgggttgg aaaggctcag 1440

Does Not Comply
Corrected Diskette Needed

(pg-416)

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DATE: 04/06/2006
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Input Set : D:\ARCD398WO.APP.txt
Output Set: N:\CRF4\04062006\J573307.raw

56 caacagccag tggagactgg aacacaacca tagcctgtt ctagccata ttaattgggt 1500
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62 cttgcacta ttggactttg gaaggagggtg cctatagaaa acgattttga acataactca 1860
63 tcgcgttgc ctgtgtccct cggtgcagaa actaccagat ttgagggacg aggtcaagga 1920
64 gatatgatag gcccggaaat tgctgtgcc catcagcagc ttgacgcgtg gtcacaggac 1980
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68 gaatggggaa tggagagggtg ggcagggtt ccagcttccc ttgtatccc tgctgcagac 2220
69 tcattccttt taaatgagac ttgtttccc ctctcttga gtcaagtcaa atatgtatg 2280
70 tcgtttggc aattcttctt ctcaaggact gacacttacc accgtctgtt attggcattt 2340
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76 tatgtatgaaa agaatgtgtt atgaatcggt gctgtcagcc ctgctgtcag accttcttcc 2700
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78 agc
2763

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82 <211> LENGTH: 467

83 <212> TYPE: PRT

84 <213> ORGANISM: Homo sapiens

86 <400> SEQUENCE: 2

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88 1 5 10 15
89 Ser Glu Asp Asn His Leu Ser Asn Thr Val Arg Ser Gln Asn Asp Asn
90 20 25 30
91 Arg Glu Arg Gln Glu His Asn Asp Arg Arg Ser Leu Gly His Pro Glu
92 35 40 45
93 Pro Leu Ser Asn Gly Arg Pro Gln Gly Asn Ser Arg Gln Val Val Glu
94 50 55 60
95 Gln Asp Glu Glu Asp Glu Glu Leu Thr Leu Lys Tyr Gly Ala Lys
96 65 70 75 80
97 His Val Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Val Val Val
98 85 90 95
99 Val Ala Thr Ile Lys Ser Val Ser Phe Tyr Thr Arg Lys Asp Gly Gln
100 100 105 110
101 Leu Ile Tyr Thr Pro Phe Thr Glu Asp Thr Glu Thr Val Gly Gln Arg
102 115 120 125
103 Ala Leu His Ser Ile Leu Asn Ala Ala Ile Met Ile Ser Val Ile Val
104 130 135 140
105 Val Met Thr Ile Leu Leu Val Val Leu Tyr Lys Tyr Arg Cys Tyr Lys
106 145 150 155 160
107 Val Ile His Ala Trp Leu Ile Ile Ser Ser Leu Leu Leu Phe Phe

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Input Set : D:\ARCD398WO.APP.txt
Output Set: N:\CRF4\04062006\J573307.raw

118 165 170 175
 120 Phe Ser Phe Ile Tyr Leu Gly Glu Val Phe Lys Thr Tyr Asn Val Ala
 121 180 185 190
 123 Val Asp Tyr Ile Thr Val Ala Leu Leu Ile Trp Asn Phe Gly Val Val
 124 195 200 205
 126 Gly Met Ile Ser Ile His Trp Lys Gly Pro Leu Arg Leu Gln Gln Ala
 127 210 215 220
 129 Tyr Leu Ile Met Ile Ser Ala Leu Met Ala Leu Val Phe Ile Lys Tyr
 130 225 230 235 240
 132 Leu Pro Glu Trp Thr Ala Trp Leu Ile Leu Ala Val Ile Ser Val Tyr
 133 245 250 255
 135 Asp Leu Val Ala Val Leu Cys Pro Lys Gly Pro Leu Arg Met Leu Val
 136 260 265 270
 138 Glu Thr Ala Gln Glu Arg Asn Glu Thr Leu Phe Pro Ala Leu Ile Tyr
 139 275 280 285
 141 Ser Ser Thr Met Val Trp Leu Val Asn Met Ala Glu Gly Asp Pro Glu
 142 290 295 300
 144 Ala Gln Arg Arg Val Ser Lys Asn Ser Lys Tyr Asn Ala Glu Ser Thr
 145 305 310 315 320
 147 Glu Arg Glu Ser Gln Asp Thr Val Ala Glu Asn Asp Asp Gly Gly Phe
 148 325 330 335
 150 Ser Glu Glu Trp Glu Ala Gln Arg Asp Ser His Leu Gly Pro His Arg
 151 340 345 350
 153 Ser Thr Pro Glu Ser Arg Ala Ala Val Gln Glu Leu Ser Ser Ser Ile
 154 355 360 365
 156 Leu Ala Gly Glu Asp Pro Glu Glu Arg Gly Val Lys Leu Gly Leu Gly
 157 370 375 380
 159 Asp Phe Ile Phe Tyr Ser Val Leu Val Gly Lys Ala Ser Ala Thr Ala
 160 385 390 395 400
 162 Ser Gly Asp Trp Asn Thr Thr Ile Ala Cys Phe Val Ala Ile Leu Ile
 163 405 410 415
 165 Gly Leu Cys Leu Thr Leu Leu Leu Ala Ile Phe Lys Lys Ala Leu
 166 420 425 430
 168 Pro Ala Leu Pro Ile Ser Ile Thr Phe Gly Leu Val Phe Tyr Phe Ala
 169 435 440 445
 171 Thr Asp Tyr Leu Val Gln Pro Phe Met Asp Gln Leu Ala Phe His Gln
 172 450 455 460
 174 Phe Tyr Ile
 175 465
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 179 <211> LENGTH: 28
 180 <212> TYPE: DNA
 181 <213> ORGANISM: Artificial Sequence
 183 <220> FEATURE:
 184 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 185 Primer
 187 <400> SEQUENCE: 3
 188 ggcgaattca ccatggggc tgcgggtgt
 191 <210> SEQ ID NO: 4

28

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/573,307

DATE: 04/06/2006
TIME: 11:05:41

Input Set : D:\ARCD398WO.APP.txt
Output Set: N:\CRF4\04062006\J573307.raw

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193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
211 Primer
213 <400> SEQUENCE: 5
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217 <210> SEQ ID NO: 6
218 <211> LENGTH: 30
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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226 <400> SEQUENCE: 6
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230 <210> SEQ ID NO: 7
231 <211> LENGTH: 30
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
237 Primer
239 <400> SEQUENCE: 7
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243 <210> SEQ ID NO: 8
244 <211> LENGTH: 30
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
250 Primer
252 <400> SEQUENCE: 8
253 ggcgaattct caggggggtgc ccaggggtat
256 <210> SEQ ID NO: 9
257 <211> LENGTH: 36
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence

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W--> 261

9 of 2237 Response is 30^o pls Explain
Artificial or Unknown. See pg 7 for
the source. See pg 7 for
error explanation
> Pls Insert C2207 numeric
Identifier

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/573,307

DATE: 04/06/2006
TIME: 11:05:41

Input Set : D:\ARCD398WO.APP.txt
Output Set: N:\CRF4\04062006\J573307.raw

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W--> 261
W--> 261 <400> 9
262 tctctcgaga aaagagatgc agaattccga catgac 36
265 <210> SEQ ID NO: 10
266 <211> LENGTH: 33
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
272 Primer
274 <400> SEQUENCE: 10
275 ggctctagac cgttctgcat ctgctcaaag aac 33
278 <210> SEQ ID NO: 11
279 <211> LENGTH: 29
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
285 Primer
287 <400> SEQUENCE: 11
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300 <400> SEQUENCE: 12
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306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
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310 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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314 cgccggatcca ggtagtgaag atgttagag 28
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322 <220> FEATURE:
323 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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326 <400> SEQUENCE: 14
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330 <210> SEQ ID NO: 15

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10/573,307

pg-4

SEQUENCE LISTING

<110> SISODIA, SANGRAM S.
YU, CHUNJIANG

<120> MEMBRANE PREPARATION FROM PICHIA PASTORIS TO ASSAY
γ-SECRETASE ACTIVITY

<130> ARCD:398WO

<141> PCT/US2004/031230

<141> 2004-09-23

pls change it
to C1407.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/573,307

DATE: 04/06/2006
TIME: 11:05:42

Input Set : D:\ARCD398WO.APP.txt
Output Set: N:\CRF4\04062006\J573307.raw

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:9

Error Explanation

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/573,307

DATE: 04/06/2006
TIME: 11:05:42

Input Set : D:\ARCD398WO.APP.txt
Output Set: N:\CRF4\04062006\J573307.raw

L:13 M:270 C: Current Application Number differs, Missing <140> CURRENT APPLICATION NUMBER: is Added.
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:14 M:280 W: Numeric Identifier already exists, <141> found multiple times
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:261 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213> ORGANISM:Artificial Sequence
L:261 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213> ORGANISM:Artificial Sequence
L:261 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:261